

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1308	(angle angular rotat\$4 orientat\$4) near3 sensor same (unsuccess\$4 no near2 (orientat\$4 angular angle rotat\$3 significan\$7))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/12 11:23
L2	10	(angle angular rotat\$4 orientat\$4) near3 sensor with camera same (unsuccess\$4 no near2 (orientat\$4 angular angle rotat\$3 significan\$7))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/12 11:23
L3	13	(angle angular rotat\$4 orientat\$4) near3 sensor same (unsuccess\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/12 11:25
L6	11	("5764291"   "5831670"   "5900909"   "6022117"   "6195122"   "6262769"   "6418272"   "6563535"   "6597817"   "6606117"   "6630958").FN. OR ("7375755").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/12 11:34
S1	1	"20010032075"	US-PGPUB	OR	OFF	2007/05/18 15:52
S2	108	ishida near2 yoshihiro.in.	US-PGPUB; USPAT	OR	OFF	2006/11/27 12:09
S3	8	fac\$4.cfm. and S2	US-PGPUB; USPAT	OR	OFF	2006/11/27 15:01
S4	8446653	angle angular rotat\$4 turn \$4 slant\$4 flip\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/18 15:54
S5	9260481	range extension field latitude limit neighborhood radius reach scope span spread stretch sweep territory vicinity	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/27 15:17
S6	539913	S4 near3 S5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/27 15:20
S7	134228	(detect\$3 find\$3 identifi\$7 recogni\$4) near2 (fac\$3 head skin)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/27 15:37

S8	2569	382/115-118,289,296.cds.	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/07 12:28
S9	23	S6 same S7 and S8	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/27 15:37
S10	22	pose near3 S6 and S7 and S8	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/27 15:38
S11	135170	(detect\$3 find\$3 identifi\$7 recogni\$4) near2 (fac\$3 head skin pose)	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/27 15:38
S12	18094	(detect\$3 find\$3 identifi\$7 recogni\$4) near2 (pose orientation)	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/27 15:41
S13	268	S8 and S12	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/27 15:41
S14	22472	(detect\$3 find\$3 identifi\$7 recogni\$4) near2 (pose orientation angle angular rotat\$4 turn\$4 slant\$4 flip \$4).ti.	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/18 16:32
S15	76	(detect\$3 find\$3 identifi\$7 recogni\$4) near2 (pose orientation angle angular rotat\$4 turn\$4 slant\$4 flip \$4).ti. and "382".das.	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/27 16:01
S16	19	S15 and (face facial head)	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/27 16:07
S17	12	("4754487"   "5111288"   "5715325"   "5859921"   "5864630"   "5872594"   "5900909"   "5991429"   "5999203"   "6262769"). PN. OR ("6597817").URPN.	US-PGPUB; USPAT; USOOR	OR	OFF	2006/11/27 16:16

S18	312	382/103.ccls. and fac\$3 near3 (detect\$3 find\$3 identif\$7 recogni\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 13:04
S20	8449014	angle angular rotat\$4 turn \$4 slant\$4 flip\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 13:04
S21	9263867	range extension field latitude limit neighborhood radius reach scope span spread stretch sweep territory vicinity	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 13:04
S22	39	S20 near3 S21 and S18	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 13:13
S23	2	"6985620".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 13:13
S24	7	("5644651"   "5850469"   "6018349"   "6047087"   "6192145"   "6330356"   "6522787").PN. OR ("6985620").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/28 14:54
S25	75879	(detect\$3 find\$3 identif\$7 recogni\$4) near2 (face facial head pose skin flesh)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 15:00
S26	7010	S20 near3 S21 and S25	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 15:02
S28	24	S20 near3 S21 same S25 and 382/103,115- 118,289,296.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 15:07
S29	1	(determin\$3 calculat\$3 find \$3) near3 S20 near2 S21 same S25 and 382/103,115-118,289,296. ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 15:07
S30	29	(determin\$3 calculat\$3 find \$3) near3 S20 near2 S21 same S25	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 15:04

S31	542139	rotat\$4 same (angle angular degrees radians)	US-PGPUB; USPAT	OR	ON	2006/11/29 15:01
S32	139	382/118.ccls. and S31	US-PGPUB; USPAT	OR	ON	2006/11/29 15:01
S33	126	rotat\$4 with (angle angular degrees radians) and 382/118.ccls.	US-PGPUB; USPAT	OR	ON	2006/11/29 15:07
S34	23	rotat\$4 with (angle angular degrees radians) same (face facial) near2 (recogni\$4 detect\$4 identif\$7) and 382/118.ccls.	US-PGPUB; USPAT	OR	ON	2006/11/29 15:07
S35	1	"20040022435"	US-PGPUB	OR	OFF	2008/01/07 11:48
S36	43878	(OUTPUT\$4 INPUT\$4) NEAR3 (angle angular rotat\$4 turn\$4 slant\$4 flip\$4 position\$4 displace\$4) near3 (camera sensor image near2 aquis\$7)	US-PGPUB; USPAT; USOCOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/18 15:58
S39	2781	382/115-118,289,296.ccls.	US-PGPUB; USPAT; USOCOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/18 15:58
S40	30	S39 and S36	US-PGPUB; USPAT; USOCOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/18 15:58
S41	1	("2003/0152291").URPN.	USPAT	OR	OFF	2007/05/18 16:08
S42	2319	tilt adj sensor	US-PGPUB; USPAT	OR	OFF	2007/05/18 16:09
S43	356	tilt adj sensor same (face facial head)	US-PGPUB; USPAT	OR	ON	2007/05/18 16:09
S44	301	tilt adj sensor and (face facial head) near2 (detect\$3 find\$3 locat\$3 identif\$4 recogni\$4 calculat\$3)	US-PGPUB; USPAT	OR	ON	2007/05/18 16:11
S46	8668988	angle angular rotat\$4 turn\$4 slant\$4 flip\$4	US-PGPUB; USPAT; USOCOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/18 16:11
S47	9546033	range extension field latitude limit neighborhood radius reach scope span spread stretch sweep territory vicinity	US-PGPUB; USPAT; USOCOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/18 16:11

S48	125	tilt adj sensor and (face facial head) near2 (detect \$3 find\$3 locat\$3 identifi\$4 recogni\$4 calculat\$3) and S46 near3 S47	US-PGPUB; USPAT	OR	ON	2007/05/18 16:26
S49	17	tilt adj sensor same (face facial head) near2 (detect \$3 find\$3 locat\$3 identifi\$4 recogni\$4 calculat\$3) and S46 near3 S47	US-PGPUB; USPAT	OR	ON	2007/05/18 16:26
S50	0	tilt adj sensor same (face facial head) near2 (detect \$3 find\$3 locat\$3 identifi\$4 recogni\$4 calculat\$3) and S46 near3 S47 and "348". clas.	US-PGPUB; USPAT	OR	ON	2007/05/18 16:27
S51	17	(detect\$3 find\$3 identifi\$7 recogni\$4) near2 (pose orientation angle angular rotat\$4 turn\$4 slant\$4).ti. and (detect\$3 find\$3 identifi\$7 recogni\$4) near2 (pose orientation angle angular rotat\$4 turn\$4 slant\$4) near3 (face facial head) same S47 near3 S46	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/18 16:40
S52	5	(382/118,115.cds. and 382/289,296.cds.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/18 16:36
S53	154	(detect\$3 find\$3 identifi\$7 recogni\$4) near2 (pose orientation angle angular rotat\$4 turn\$4 slant\$4) near3 (face facial head) same S47 near3 S46	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/18 16:42
S54	0	(detect\$3 find\$3 identifi\$7 recogni\$4) near2 (pose orientation angle angular rotat\$4 turn\$4 slant\$4) near3 (face facial head) same S47 near3 S46 and tilt adj sensor and ("382". clas. "348". clas.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/18 16:40
S55	18	(detect\$3 find\$3 identifi\$7 recogni\$4) near2 (pose orientation angle angular rotat\$4 turn\$4 slant\$4) near3 (face facial head) same S47 near3 S46 and ("382". clas. "348". clas.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/07 12:31
S56	691	(orientation gravity) near2 sensor and (face facial head) near3 (detect\$4 recogni\$4 identifi\$7)	US-PGPUB; USPAT	OR	ON	2007/05/21 15:32

S57	2781	382/115-118,289,296.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/21 15:32
S58	7	(orientation gravity) near2 sensor and (face facial head) near3 (detect\$4 recogni\$4 identifi\$7) and S57	US-PGPUB; USPAT	OR	ON	2007/05/21 15:32
S59	2781	382/115-118,289,296.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/21 16:54
S60	35	S59 and (detect\$3 recogni \$4 identifi\$7) near2 (face facial head) near2 (pose orientation angle angular)	USPAT	OR	OFF	2007/05/21 16:57
S61	27	S59 and (detect\$3 recogni \$4 identifi\$7) near2 (face facial head) near2 (pose orientation angle angular) and (pose orientation angle angular) near7 range	US-PGPUB; USPAT	OR	OFF	2007/05/21 17:10
S62	3	("6597817").URPN.	USPAT	OR	OFF	2007/05/21 17:07
S63	3	("2003/0123713").URPN.	USPAT	OR	OFF	2007/05/21 18:58
S64	69	aerial near2 image and 382/144.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/22 16:24
S65	387	lithograph\$3 with aerial adj image	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/22 16:28
S66	130	lithograph\$3 near7 aerial adj image	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/22 16:28
S67	0	record near3 detect\$4 and "7050607".pn.	USPAT	OR	OFF	2007/09/10 20:12
S68	0	record\$3 near3 detect\$4 and "7050607".pn.	USPAT	OR	OFF	2007/09/10 20:12
S69	1	"20040022435"	US-PGPUB	OR	OFF	2008/01/07 11:48
S70	1	no with position and S69	US-PGPUB	OR	OFF	2008/01/07 12:02

S71	14	("4754487"   "5111288"   "5715325"   "5859921"   "5864630"   "5872594"   "5900909"   "5991429"   "5999203"   "6262769"). FN. OR ("6597817"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/01/07 11:55
S72	1	photograph\$3 near3 information and \$69	US-PGPUB	OR	OFF	2008/01/07 12:05
S74	0	"5900909".pn. and orientation near3 (no error none "not")	USPAT	OR	ON	2008/01/07 12:06
S75	2475	no near3 (position orient \$7) near3 (input\$3 includ \$3 enter\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/07 12:26
S76	4677	382/115-118,289,296.ccls. 345/649-659,158.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/07 12:29
S77	8	S75 and S76	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/07 12:29
S78	8972839	angle angular rotat\$4 turn \$4 slant\$4 flip\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/07 12:31
S79	9937451	range extension field latitude limit neighborhood radius reach scope span spread stretch sweep territory vicinity	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/07 12:31
S80	3	(detect\$3 find\$3 identif\$7 recogni\$4) near2 (pose orientation angle angular rotat\$4 turn\$4 slant\$4) near3 (face facial head) same S79 near3 S78 and ("345".clas.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/07 12:33
S81	212	orienta\$7 near3 sens\$3 near3 (malfunction\$3 error \$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/07 12:34
S82	3	orienta\$7 near3 sens\$3 near3 (malfunction\$3 error \$3) and S76	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/07 12:35

S83	2	tilt\$7 near3 sens\$3 near3 (malfunction\$3 error\$3) and S76	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/07 12:38
S84	2	(tilt\$7 orient\$7) near3 sens \$3 with ("not" no didn't wasn't hadn't hasn't)near3 (input\$3 enter\$3 includ\$3) and S76	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/07 12:42
S85	54	(tilt\$7 orient\$7) near3 sens \$3 with ("not" no didn't wasn't hadn't hasn't)near3 (input\$3 enter\$3 includ\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/07 15:32
S86	1050	(position\$3 orient\$7 tilt\$3) near3 (information data) with (omit\$4 "not" near2 (provid\$3 input\$4 given))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/07 15:39
S87	4677	382/115-118,289,296.ccls. 345/649-659,158.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/07 15:38
S88	1	S87 and S86	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/07 15:38
S91	1589	(position\$3 orient\$7 tilt\$3) near3 (information data) and S87	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/07 15:56
S92	51	(position\$3 orient\$7 tilt\$3) with (omit\$4 "not" near2 (provid\$3 input\$4 given)) and S87	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/07 15:42
S93	73	(no) with (position\$3 orient \$7 tilt\$3) near3 (information data) and S87	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/07 16:07
S94	232	geng.in.	USPAT	OR	OFF	2008/01/08 14:27
S95	26	geng.in. and (orientation)	USPAT	OR	OFF	2008/01/08 14:28
S96	34	382/118.ccls. and 382/154. ccls.	USPAT	OR	OFF	2008/01/08 14:28
S97	63	382/154.ccls. and (face facial head) and "360"	USPAT	OR	ON	2008/01/08 14:32



S98	9	("20030123754"   "5774591"   "6272231"   "6671391"   "6804391"   "6944319").PN. OR ("7050607").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/01/08 14:35
S99	2	"360" and S98	US-PGPUB; USPAT; USOCR	OR	OFF	2008/01/08 14:35
S100	1	"20010032075"	US-PGPUB	OR	OFF	2008/05/20 11:33
S101	3163	(determin\$3 calculat\$3 ascertain\$3 find\$3 comput \$3) near7 (face facial) near3 (rotat\$4 angl\$3 orientat\$4 tilt\$3)	US-PGPUB; USPAT	OR	ON	2008/05/27 13:16
S102	27052	(camera image near3 aqui \$6) near3 (rotat\$4 angl\$3 orientat\$4 tilt\$3)	US-PGPUB; USPAT	OR	ON	2008/05/27 13:16
S103	42	S101 same S102	US-PGPUB; USPAT	OR	ON	2008/05/27 13:17
S104	5301	382/115-118,289,296.ccls. 345/649-659,158,649-659. ccls. 348/583,e13.048, e13.051,e5.053.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/27 13:18
S105	7	("20040179719"   "20050105780"   "20060008152"   "6463163"   "7082212"   "7194114"   "7227976"). PN. OR ("7315631").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/27 13:28
S106	1	"6597817".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/27 13:40
S107	52	tilt\$3 near3 face and S104	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/27 13:51
S108	1	"20040022435"	US-PGPUB	OR	OFF	2008/05/27 14:05
S109	1	"20010019620"	US-PGPUB	OR	OFF	2008/05/27 15:08
S110	30	first same second same third same fourth same angle near5 range same face.clm.	US-PGPUB; USPAT	OR	ON	2008/10/14 14:59
S111	193706	(angle angular rotat\$4 orientat\$5) near3 (sensor camera cod)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/10 13:36
S112	10614537	range extension field latitude limit neighborhood radius reach scope span spread stretch sweep territory vicinity	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/10 13:36

S113	92	(face facial) near3 S112 with S111	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/10 13:36
S114	5842	382/115-118,289,296.ccls. 345/649-659,158,649-659. ccls. 348/583,e13.048, e13.051,e5.053.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/10 13:37
S115	6	S114 and S113	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/10 13:37
S116	17	("4754487"   "5111288"   "5715325"   "5859921"   "5864630"   "5872594"   "5900909"   "5991429"   "5999203"   "6262769"). PN. OR ("6597817").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/10 13:39

1/ 12/ 2009 11:40:29 AM

C:\Documents and Settings\kyuan\My Documents\EAST\Workspaces\10617042.wsp